

OU# 08-077

Phoenix-Goodyear Airport Area/Western Avenue Plume Community Advisory Group (CAG) Meeting

Thursday, November 1, 2007 at 6:30 p.m.
Goodyear City Hall, Room 117
190 N. Litchfield Road
Goodyear, Arizona

DRAFT MINUTES

CAG members present: Diane Krone; Thomas Jones; Susan Kagan; Bob Smith; Brenda Holland

Members absent: Sheri Michele Lauritano

ADEQ Staff in attendance: Brian Stonebrink, PGA-South Project Manager; Bob Peeples, Hydrologist; and Linda Mariner, Community Involvement Coordinator

EPA Staff in attendance: Mary Aycock, Remedial Project Manager

Members of the public present:

Robert A. Mongrain, ARCADIS
Ron Clark, Goodyear Tire & Rubber Co.
Win Colbert, Goodyear Tire & Rubber Co.
Terre Maize, TRC
Gene Mammini, Clear Creek
Frank Scott, City of Avondale
Marilyn DeRosa, City of Avondale

David Iwanski, City of Goodyear
Kevin Murdock, CH2M Hill
Dennis Maslonkowski, TRC
Todd Struttman, LATH
Phillip Fargotstein
David Foltz

The following matters were presented at the meeting.

1. Call to Order / Introductions

Mr. Thomas Jones, CAG Co-chair, welcomed everyone and facilitated the meeting. CAG members and all meeting attendees introduced themselves.

2. Update of PGA-North Activities – Robert Mongrain, ARCADIS

Mr. Mongrain introduced himself and explained that ARCADIS is a technical consultant to Crane Co. Mr. Mongrain began his presentation by reporting on the site's two treatment systems. The main system has six extraction wells that pump up to 465 gallons per minute. It has been in operation since 1994. The Well 33A treatment system has been operating since 1994 also using one extraction well that pumps up to 750 gallons per minute. The performance totals for the

main treatment system for 2007 (through September) were: 98 million gallons of groundwater treated, 351 pound of TCE removed and 10.5 pounds of perchlorate removed. For the Well 33A system, the 2007 totals were: 242 million gallons of groundwater treated and 161 pounds of TCE removed.

The soil vapor extraction (SVE) system that is used to remove contaminants from the soil was installed in 1996 and uses carbon filters for off-gas removal. For the 2nd quarter 2007, the SVE system has removed 154 pounds of VOCs and 54 pounds of TCE.

ARCADIS has continued its groundwater investigation with fourteen monitoring wells with an additional eleven wells proposed for next year. To address plume expansion, Crane Co. has proposed installing two more extraction wells. One is to be located near McDowell & Litchfield Roads and one in the Goodyear Community Park.

ARCADIS is also continuing their hydrophysical investigations and well abandonment program. They are also doing on-site investigations of source areas, soils and facility structures. At this time 223 soil samples have been analyzed for 220 compounds including: VOCs, SVOCs, metals, pesticides, herbicides, explosives, radioactive materials, nitrate, perchloate, and PCBs. The only compounds to exceed regulatory limits have been arsenic (metal) and dieldrin (pesticide). The arsenic is in naturally occurring concentrations, and there has been only one occurrence of the pesticide.

Some of the technologies that Crane Co. is currently evaluating for effectiveness in remediating the site are:

- In-situ treatment of TCE in source zones,
- use of nano-scale Zero Valent Iron (nZVI),
- Tracer Testing, and
- Other proven technologies.

Ms. Krone asked if all the drywells had been investigated and if some of the buildings were going to be demolished. Mr. Mongrain replied that all drywells have been found, identified and investigated. Ms. Aycock verified that a work plan has been approved to decommission the buildings with explosive residue, and then do lead abatement and asbestos abatement within the next year. After that is completed, then the buildings will be taken down to the slabs.

Ms. Kagan asked what kind of technology was used to investigate the locations of items under ground including piping, sedimentation tanks, dry wells, septic tanks, etc. Ms. Aycock explained that the records kept by Unidynamics were very accurate and complete which allowed them to identify most of the sources of contamination. Ms. Aycock added that field instruments are also used like field kits and PID detectors to look at VOCs.

3. Results of the EE/CA for Perchlorate Treatment at PGA-North – Mary Aycock, EPA

Ms. Aycock spoke about the EPA fact sheet issued in October 2007 giving a summary of the engineering evaluation and cost analysis (EE/CA) for perchlorate treatment at the PGA-North Superfund Site. The EE/CA report provides information about the nature and extent of contamination of perchlorate and the related risks. It was first identified at the site by ADEQ in 2002-2003. The results of the EE/CA showed that the highest level of perchlorate detected at the Unidynamics site was 130 parts per billion (ppb). The average over the last year has been about 45 ppb. ADEQ has a human health-based guidance level (HBGL) of 14 ppb for drinking water.

Therefore, if a drinking water well sampled close to 14 ppb for perchlorate, they would consider closing down that well. The report also recommended that the most efficient and cost-effective treatment for the perchlorate is an ion-exchange resins technology.

Ms. Aycock explained that this report provides the engineering information for EPA to issue a removal action memo to Crane Co. to treat any water containing perchlorate and to close any wells that hit the 14 ppb limit. Currently, Well COG1 is the only City well to have perchlorate found in it with 3-4 ppb. That water is pumped to and blended in a reservoir because it has no TCE in it.

4. PGA-South Site Status Update – Ron Clark, Goodyear Tire & Rubber Company (GTRC)

Mr. Clark reviewed the current activities in progress at the site including: Well GAC #4 Status, additional delineation of the Northern Subunit C plume, confirmation sampling of the former chromium drying beds, and Subunit C injection well workovers. Performance totals for Subunit A showed that 90 pounds of TCE had been removed during the first nine months of 2007. During that same time, 0.7 pounds were removed in Southern Subunit C and 5.3 pounds were removed from Northern Subunit C.

Mr. Clark then introduced Terre Maize to the CAG who is the new project manager for the TRC/LATA team taking over the management of the cleanup at the site for the Goodyear Tire and Rubber Company. They will begin by conducting a focused feasibility study. Ms. Maize introduced her team members and explained the team's objectives as: 1) Address remaining five-year review issues, 2) Evaluate and implement new treatment approaches to accelerate cleanup, and 3) Conduct bench scale studies of remedial alternatives in 2008. She reported that the five-year review tasks are currently being addressed as near-term tasks and just awaiting EPA/ADEQ input on Eco Risk. Her team is also moving forward with the chromium drying bed study and vapor intrusion issues. They have set some target dates to accomplish project milestones as follows:

- Submit Revised Subunit C Well Work Plan to agencies by October 2007
- Install North Subunit C wells in March 2008
- Complete well workovers by November/December 2007
- Complete chromium bed studies by March 2008
- Submit Draft Feasibility Study for regulatory review by June 2008

Ms. Krone expressed her appreciation for the aggressiveness of their plans for remediating the PGA-South Site.

5. City of Goodyear (City) Report – David Iwanski, Water Resources Manager

Mr. Iwanski reminded the CAG members of the Brownfields Supplemental Environmental Project that the City has been working on. The next Brownfield Citizen's Committee meeting will be November 14th with presentations by the cities of Tucson and Phoenix of their successful brownfield experiences. Between November and January, the City will begin the development of the site inventory by asking the citizen's committee members and the CAG members to contribute their ideas for any environmentally challenged sites in the City of Goodyear. Ms. Holland mentioned the racetrack as a possibility.

Mr. Iwanski assured the CAG that the City is maintaining the integrity of all the Superfund monitoring wells within those areas in the City undergoing development and road construction.

6. Distribution of 2007 WQARF Annual Registry Report – Linda Mariner, ADEQ

Ms. Mariner explained that each year ADEQ is required by statute to publish an annual registry report for all WQARF sites in Arizona that gives a brief description and status report for each site. This report is published in the Arizona Administrative Register with the Secretary of State and is presented at all community advisory board meetings. The PGA/WA CAG gets the report because the Western Avenue Site that is part of their area is a WQARF site. Ms. Mariner encouraged all present to pick up one of the reports to review at their leisure.

7. Call to the Public

Questions that were raised during this time included:

- *What is the projected timeframe for Wells EA06 and EA05 to be online and operational?*

Ms. Aycock answered that EA06 was planned to be up and running by November 20th. After being tested for 30 days, a ribbon-cutting ceremony was planned for January to announce it's official start-up. She stated that EA05 has some property issues that are still being resolved, so it may be March 2008 before it is operational.

- *What concentrations for TCE in Well EA06 are being anticipated for treatment?*

Mr. Mongrain replied that he believes it is less than 100 ppb, maybe 40-60 ppb.

- *Will there be two treatment systems designed to clean up the groundwater at the PGA-North site?*

Ms. Aycock explained that the Corp of Engineers suggested treating the perchlorate with ion-exchange first followed by the second treatment system for the TCE removal, which is the granulated activated carbon (GAC).

- *Does perchlorate have a federal Maximum Contaminant Level (MCL)?*

Ms. Aycock verified that there is no MCL for perchlorate at this time. The EPA standard nationwide is 24.5 ppb. The Arizona Department of Health Services has a standard of 11 ppb for drinking water, and ADEQ's HBGL is 14 ppb for reinjection to the aquifer. The current action level for EPA in Arizona is 14 ppb.

The CAG took a 10-minute break.

8. Acceptance and/or Changes to Minutes for 8/2/07 & 5/3/07 CAG Meetings

Mr. Jones asked if anyone had any changes to each set of minutes. Ms. Kagin made a motion to accept the August 2, 2007 minutes and Ms. Krone seconded. Those minutes were accepted. Ms. Krone then pointed out a change that was needed in the May 3, 2007 minutes. Ms. Kagin also made a motion to accept the May 3, 2007 minutes with the change, and Ms. Krone seconded the motion. The CAG members accepted them. Ms. Mariner will make the change to the final minutes.

9. CAG Membership and Voting on Applications

Mr. Jones introduced the two applicants for CAG membership, Mr. David Foltz and Mr. Frank Scott, who are both from Avondale. Mr. Foltz worked for Unidynamics for over 30 years and was a co-worker of Mr. Bob Smith. Mr. Scott is currently serving on the Avondale City Council.

Mr. Jones excused the two applicants while the CAG took a vote on their membership. Mr. Smith made a motion to accept Mr. Foltz as a member, and Ms. Krone seconded it. The vote was unanimous to give him membership. Then Ms. Holland made a motion to accept Mr. Scott, and Mr. Smith seconded it. That was also a unanimous vote of acceptance. The two applicants

were brought back into the room, and Ms. Mariner extended her congratulations and presented them with their official CAG member notebooks.

10. Signing of the CAG Charter

Mr. Jones signed the official CAG Charter update that was voted on and accepted at a previous CAG meeting. The other co-chair, Ms. Krone, had already signed it. Copies of the official charter will be distributed at the next CAG meeting.

11. Next Meeting Date and Agenda Discussion

The next meeting date was set for February 7, 2008 at the same location. Suggested agenda items for the next meeting included: a synopsis of the EPA's Desert RAT Conference held in Phoenix in October 2007, update on PGA-North activities, update on PGA-South activities, site tour of PGA-North treatment facilities and well sites, update on the Western Avenue delisting plans, and the City of Goodyear report.

Ms. Mariner announced that Mr. Garcia from EPA no longer is serving as the EPA Community Involvement Coordinator for this site. Ms. Mariner will contact his replacement, Mr. David Cooper, to find out when a site tour might be scheduled for the CAG and the public. During the discussion about putting the current status of the Western Avenue WQARF site on the next agenda, it was suggested by the CAG members and Mr. Iwanski that a huge celebration be planned at the site when the delisting occurs for Western Avenue.

12. Adjournment

Mr. Jones motioned to adjourn the meeting, and Ms. Holland seconded the motion. The CAG voted to adjourn until next February's meeting.